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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/223,774	12/31/1998	GREGORY S. LINDHORST	3797.77995	3334
28319	7590	07/27/2004	EXAMINER	
BANNER & WITCOFF LTD., ATTORNEYS FOR MICROSOFT 1001 G STREET, N.W. ELEVENTH STREET WASHINGTON, DC 20001-4597			BASHORE, WILLIAM L	
			ART UNIT	PAPER NUMBER
			2176	
DATE MAILED: 07/27/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/223,774	Applicant(s) LINDHORST ET AL.	
	Examiner William L. Bashore	Art Unit 2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 April 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>7/6/2004</u> <u>eeqbs</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to communications: amendment filed 4/14/2004, to the original application filed 12/31/1998, IDS filed 4/2/2002 (paper 7), and 8/27/2002 (paper 10).
2. Claims 1-15 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Glaser and Foley.
3. Claims 1-30 are pending. Claims 16-30 have been added. Claims 1, 3, 8, 12, 14, 16, 18, 23, 27, 29 are independent claims.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Glaser, U.S. Patent No. 5,953,731 issued September 1999, in view of Foley et al. (hereinafter Foley), U.S. Patent No. 5,706,502 issued January 1998.

In regard to independent claim 1, Glaser teaches a software development environment comprising an Applet control list of all forms and projects. Glaser also teaches inserting controls from one form or HTML page onto another HTML page (Glaser Abstract, column 7 lines 40-45; compare with claim 1 "*A computer readable medium....said data structure comprising*", "*a page object control on a first page for storing a list....associated with said first page*").

Glaser teaches a control from one form or HTML page inserted into another HTML page. A form window displaying applet "FORM1" is dragged into a "FORM2" drop location, resulting in a transfer of the applet object, or a reference to said object (with an added HTML reference), onto the new form or HTML page

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with all necessary code associated with said object. The second page can instantiate an applet, including the methods and properties associated with said applet, which is copied from the first page onto the second page (Abstract, column 6 lines 65-67, column 7 lines 1-9, 26-34; compare with claim 1 “*wherein a second page is capable of instantiating... with said first page into said second page.*”).

The limitation of “*a page object control*” would have been obvious to one of ordinary skill in the art at the time of the invention, in view of Glaser, because Glaser teaches a project window with an applet list of various applet forms (Glaser column 7 lines 42-45). Since it is known in the Web publishing art that applets are generally applied to forms and HTML pages, and Glaser teaches selecting and inserting a control from one form object or HTML page into another HTML page (Glaser Abstract, at middle), it would have been obvious to interpret said forms from said applet list as associated with HTML pages, providing the advantage of form objects that are customized to different pages.

Glaser does not specifically teach said page object control containing a list of related objects and methods/properties. However, Foley teaches a project manager allowing copying of various project methods into other files (Foley Abstract). Foley teaches icons referencing various applets with other related methods and properties, which can be imported and copied accordingly (Foley column 6 lines 37-54, 60-67, column 8 lines 43-48, column 10 lines 8-12, Figures 1-6) (compare with claim 1 “*a list of objects and associated methods and properties relating to said objects*”, and “*a list of objects*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Foley to Glaser, providing Glaser the benefit of listings of related items related to a control for organized analysis.

In regard to dependent claim 2, Glaser teaches dragging a control into a dropped position (settable by developer) in an HTML page (Glaser column 7 lines 14-20; compare with claim 2).

In regard to independent claim 3, Glaser does not specifically teach “*creating a first page capable of referencing a second page*”, and “*referencing said second page from said first page*”, as claimed. However, these limitations would have been obvious to one of ordinary skill in the art at the time of the invention, in view

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of Glaser, because Glaser teaches a project window with an applet list of various applet forms (Glaser column 7 lines 42-45). Since it is known in the Web publishing art that applets are generally applied to forms and HTML pages, and since Glaser teaches selecting and inserting a control from one form object or HTML page into another HTML page (Glaser Abstract, at middle), it would have been obvious to interpret that, initially, one page must reference another page containing the control to be copied, so that said control can be copied, providing Glaser the benefit of referencing pages for visually inspecting controls.

Glaser teaches editing a page with a form editor (Glaser Abstract; compare with claim 3 “*editing said first page*”).

Glaser teaches a control from one form or HTML page inserted into another HTML page. A form window displaying applet “FORM1” is dragged into a “FORM2” drop location, resulting in a transfer of the applet object, or a reference to said object (with an added HTML reference), onto the new form or HTML page with all necessary code associated with said object. The second page can instantiate an applet, including the methods and properties associated with said applet, which is copied from the first page onto the second page (Abstract, column 6 lines 65-67, column 7 lines 1-9, 26-34; compare with claim 3 “*referencing at least one of a method or property...being associated with said second page*”).

Glaser teaches a data storage device for storing data (Glaser column 3 lines 66-67; compare with claim 3 “*storing said first page.*”).

Glaser does not specifically teach said page object control containing a list of related objects. However, Foley teaches a project manager allowing copying of various project methods into other files (Foley Abstract). Foley teaches icons referencing various applets with other related methods and properties, which can be imported and copied accordingly (Foley column 6 lines 37-54, 60-67, column 8 lines 43-48, column 10 lines 8-12, Figures 1-6) (compare with claim 3 “*a list of objects*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Foley to Glaser, providing Glaser the benefit of listings of related items related to a control for organized analysis.

In regard to dependent claims 4, 5, Glaser teaches a development environment comprising an Applet control list of all forms and projects, and inserting controls from one form or HTML page into another HTML page with all necessary code associated with said object (Glaser Abstract, column 7 lines 40-45; compare with claims 4, 5).

In regard to dependent claims 6, 7, Glaser teaches dragging a control into a modifiable dropped position in an HTML page (Glaser column 7 lines 14-20; compare with claims 6, 7).

In regard to independent claim 8, Glaser teaches a development environment comprising an Applet control list of all forms and projects. Glaser also teaches inserting controls from one form or HTML page onto another HTML page (Glaser Abstract, column 7 lines 40-45; compare with claim 8 *“a first page object control on a first page”, and “a second page object control on a second page, said second page object control storing a list...”*).

Glaser teaches inserting controls from one form or HTML page onto another HTML page (Glaser Abstract; compare with claim 8 *“at least one method on said second page”*).

Glaser teaches a control from one form or HTML page inserted into another HTML page. A form window displaying applet “FORM1” is dragged into a “FORM2” drop location, resulting in a transfer of the applet object, or a reference to said object (with an added HTML reference), onto the new form or HTML page with all necessary code associated with said object. The second page can instantiate an applet, including the methods and properties associated with said applet, which is copied from the first page onto the second page (Abstract, column 6 lines 65-67, column 7 lines 1-9, 26-34; compare with claim 8, *“wherein said first page retrieves said second page object control.... to support script in said first page.”*).

The limitation of *“pages as objects”*, and *“page object”* would have been obvious to one of ordinary skill in the art at the time of the invention, in view of Glaser, because Glaser teaches a project window with an applet list of various applet forms (Glaser column 7 lines 42-45). Since it is known in the Web publishing art that applets are generally applied to forms and HTML pages, and Glaser teaches selecting and inserting a control

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from one form object or HTML page into another HTML page (Glaser Abstract, at middle), it would have been obvious to interpret said forms from said applet list as associated with HTML pages, providing the advantage of form objects that are customized to different pages.

Glaser does not specifically teach said page object control containing a list of related objects, methods and properties. However, Foley teaches a project manager allowing copying of various project methods into other files (Foley Abstract). Foley teaches icons referencing various applets with other related methods and properties, which can be imported and copied accordingly (Foley column 6 lines 37-54, 60-67, column 8 lines 43-48, column 10 lines 8-12, Figures 1-6) (compare with claim 8 “... *said list comprising at least one of a method and a property associated with said referenced page*”). It would have been obvious to one of ordinary skill in the art at the time of the invention to apply Foley to Glaser, providing Glaser the benefit of listings of related items related to a control for organized analysis.

In regard to dependent claim 9, Glaser teaches dragging a control into a dropped position (settable by developer) in an HTML page (Glaser column 7 lines 14-20).

In regard to dependent claims 10-11, Glaser teaches implementation of its invention using a client/server embodiment (Glaser Figure 1, column 3 lines 43-46, 60-67 to column 4 lines 1-14).

In regard to independent claim 12, claim 13 incorporates substantially similar subject matter as claimed in claims 3, 5, and is rejected along the same rationale.

In regard to dependent claim 13, claim 13 incorporates substantially similar subject matter as claimed in claims 3, 5, and is rejected along the same rationale.

In regard to independent claim 14, claim 14 incorporates substantially similar subject matter as claimed in claim 1, and is rejected along the same rationale.

In regard to dependent claim 15, Glaser teaches dragging a control into a dropped position (settable by developer) in an HTML page (Glaser column 7 lines 14-20).

In regard to claims 16-30, claims 16-30 incorporate substantially similar subject matter as claimed in claims 1-15, and are rejected along the same rationale.

Response to Arguments

6. Applicant's arguments filed 4/14/2004 regarding unamended limitations have been fully and carefully considered but they are not persuasive.

Applicant's arguments are substantially directed towards alleged failure of Glaser to teach object controls containing a list of objects, etc. The examiner respectfully notes that Foley teaches a project manager allowing copying of various project methods into other files (Foley Abstract). Foley teaches icons referencing various applets with other related methods and properties, which can be imported and copied accordingly

Applicant argues that Glaser does not teach referencing a second page from a first page. The examiner notes that since Glaser teaches selecting and inserting a control from one form object or HTML page into another HTML page (Glaser Abstract), it would have been obvious to initially reference the page with the desired control (applet) prior to copying said control. Since Glaser teaches applets, copying an applet will also copy its methods and properties (to preserve the functionality of said applet).

Applicant argues that Glaser does not teach a page object control. The examiner notes that Glaser teaches applets, said applets generally applied to forms and HTML pages. Glaser also teaches selecting and inserting a control from one form object or HTML page into another HTML page. An applet can be interpreted as an object which can be associated with (assigned to) a web page.

In additional response to Applicant's arguments, it is respectfully noted that Glaser teaches a programming development environment for developing Internet applications (especially HTML pages and/or

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forms). Glaser specifically teaches “A user may select control from one form or HTML page and insert it into another HTML page” (Glaser Abstract, also at column 6 lines 9-11). It is respectfully observed that Glaser refers to “control” as a “selected control” (see Glaser Abstract – at middle).

In additional support of the instant rejections, it is respectfully submitted that Glaser does not limit a “control” to item “GRID1” in Figure 7C. In addition to “GRID1”, and “FORM1” (Glaser Figure 7C item 438) being fairly interpreted as “objects”, Glaser also teaches a selectable control defined as “a button” to be dragged and dropped by a user into another page (see Glaser column 6 lines 9-11), said button can be fairly interpreted as a type of control object on a page. The above teachings regarding selection of a control from a page, page objects within Figure 7C, and Glaser’s “control” defined as a selectable button on a page (a control object), are used by the examiner to teach the claimed “*page object control*”.

In addition, Glaser teaches (subsequent to dragging/dropping a (control) button into another page), the button’s applet code inserted into the code of the second page, with automatic inclusion of any dependency code and/or control into the second page as well (see Glaser column 6 lines 9-19). Since a control object (i.e. a graphical button, or the form object of Glaser Figure 7C) requires various code to implement, Glaser’s invention acts to keep track of (i.e. a listing of) said code and dependent code/methods, so as to provide a complete transition of all related methods and properties associated with a dragged object in association with a page.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no

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event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Bashore whose telephone number is (703) 308-5807. The examiner can normally be reached on Monday through Friday from 11:30 AM to 8:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild, can be reached on (703) 305-9792.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.


9. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703-872-9306) (for formal/after-final communications intended for entry)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,
Arlington, VA, Fourth Floor (Receptionist).


JOSEPH FEILD
SUPERVISORY PATENT EXAMINER

William L. Bashore
Patent Examiner, AU 2176
July 24, 2004